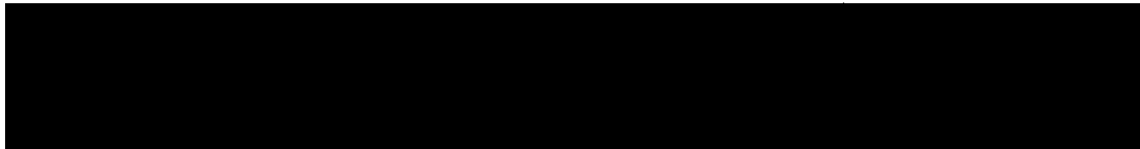


October 23, 1964

DIGITAL READOUT COUNTERS

STATINTL



The Digital Readout Counters convert measuring engine readouts to computer inputs. Three 2-axis counters, one 4-axis counter, and spare boards are presently on order from [REDACTED]

STATINTL

The first 2-axis system of this order was shipped September 30 and there were some problems with the computer interface.

[REDACTED] the [REDACTED] engineer, cleared up all the interface problems by trouble shooting in your shop on Tuesday, October 13. Some changes were required on one or two of the circuit boards which [REDACTED] accomplished on the delivered unit on site. When he got back he also changed all the other units in process at the factory. The two 2-axis counters delivered on a previous contract will also need to be changed. [REDACTED] will send back one and John R [REDACTED] will send the other to [REDACTED] for the change.

STATINTL

STATINTL

In operating the counter with the new [REDACTED] stereo chip comparator it was found that the "READOUT CHARACTERS" command switches on the control panel of the counter had to be held in by the operator until the transmission to the computer was complete. If the operator did not hold in the switch for the required two or three seconds, an error would occur. This can be rectified by using solenoid hold-down switches which will be released at the end of transmission. [REDACTED] will change over all the control panels to the new switches.

STATINTL

STATINTL

The first 2-axis system already delivered is to be sent back to [REDACTED] for the switch change. The second 2-axis system will be completed next week and is scheduled for shipment Friday, October 30. It will include the circuit changes noted above and the solenoid hold-down switches.

The third 2-axis system is ready to start check out and the 4-axis system is in final assembly. The spare circuit boards are complete and will be shipped next week. Circuit boards for all units are complete. Now that both the counter input interface and output interface have been tested and correct performance established, Storie can schedule firm delivery dates for the balance of the units. He is writing a contract letter requesting this delivery change.

DECLASS REVIEW by NIMA/DOD

Digital Readout Counters

-2-

October 23, 1964

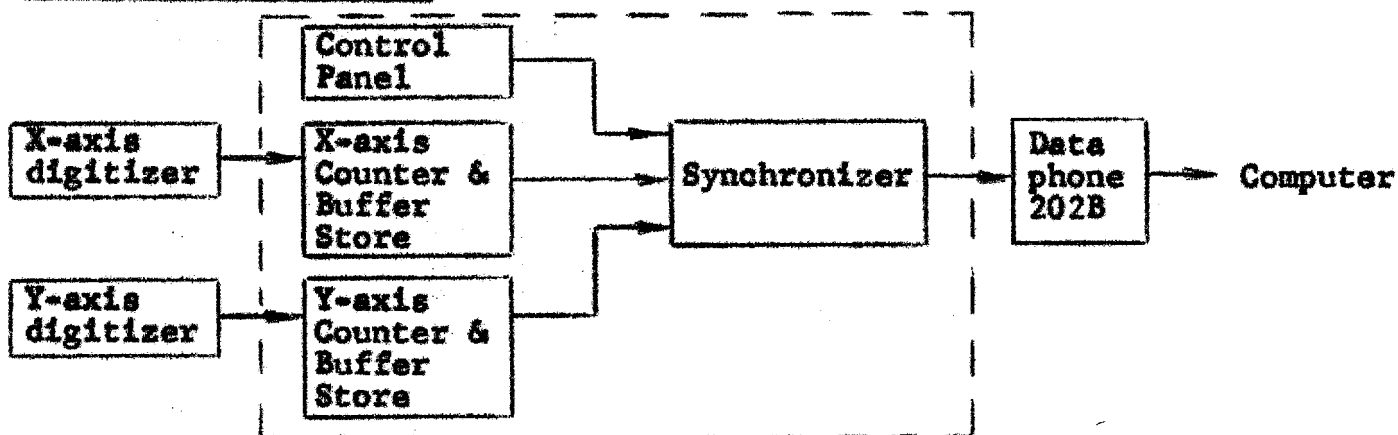
John E. [redacted] will require another 2-axis counter system to convert the 880 [redacted] Comparator from a punch card to an on-line capability. Chris M. [redacted] wants to retain the punch card capability, however, principally as a stand-by back up for the computer. [redacted] can provide this rather easily by adding a card-punch coupler to the present 2-axis counter design. The balance of the counter system will be the same as and interchangeable with the 2-axis counters presently on order and already delivered.

The punch coupler will have a selector switch so that the operator can elect to transmit in real time to the computer or to operate the IBM card punch and typewriter. In order to define the punch coupler, [redacted] needs to know the punch card format being used. In order to design the punch coupler and insure compatibility, he needs the instruction manual for your IBM card punch.

STATINTL

[redacted]

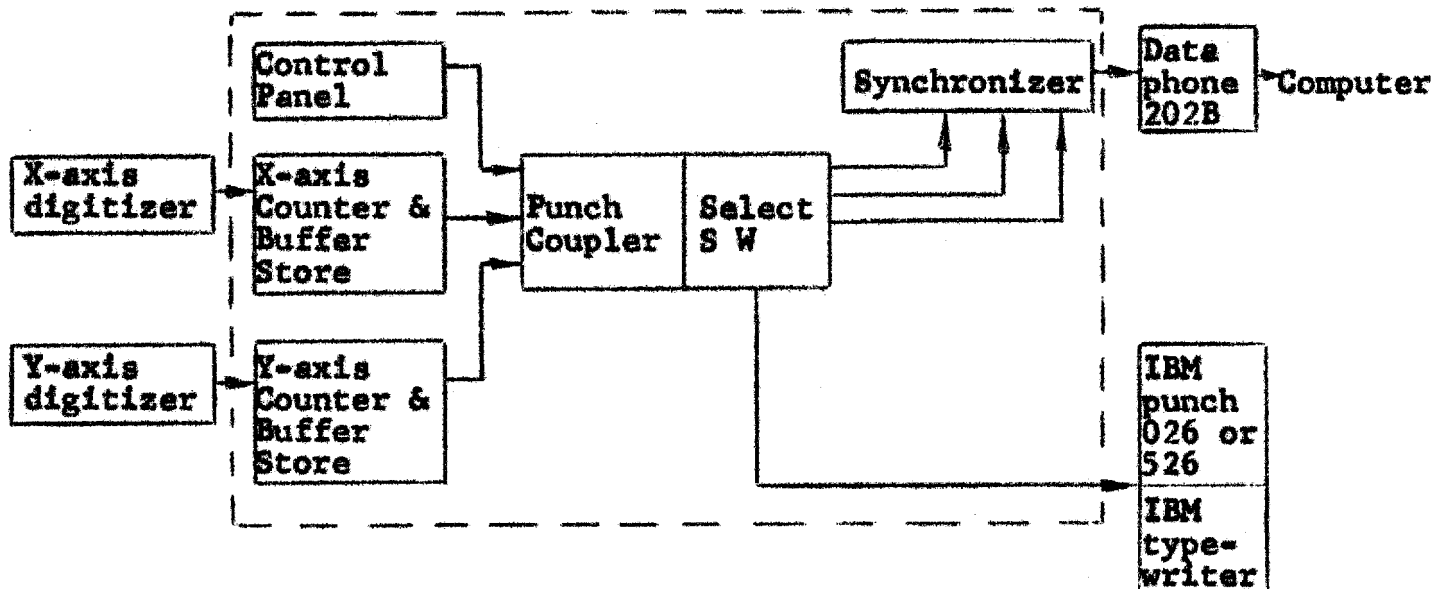
Present 2-axis system:



4 Chassis Furnished by [REDACTED]

STATINTL

Proposed 2-axis counter with card punch control:



5 Chassis To Be Furnished by [REDACTED]

STATINTL